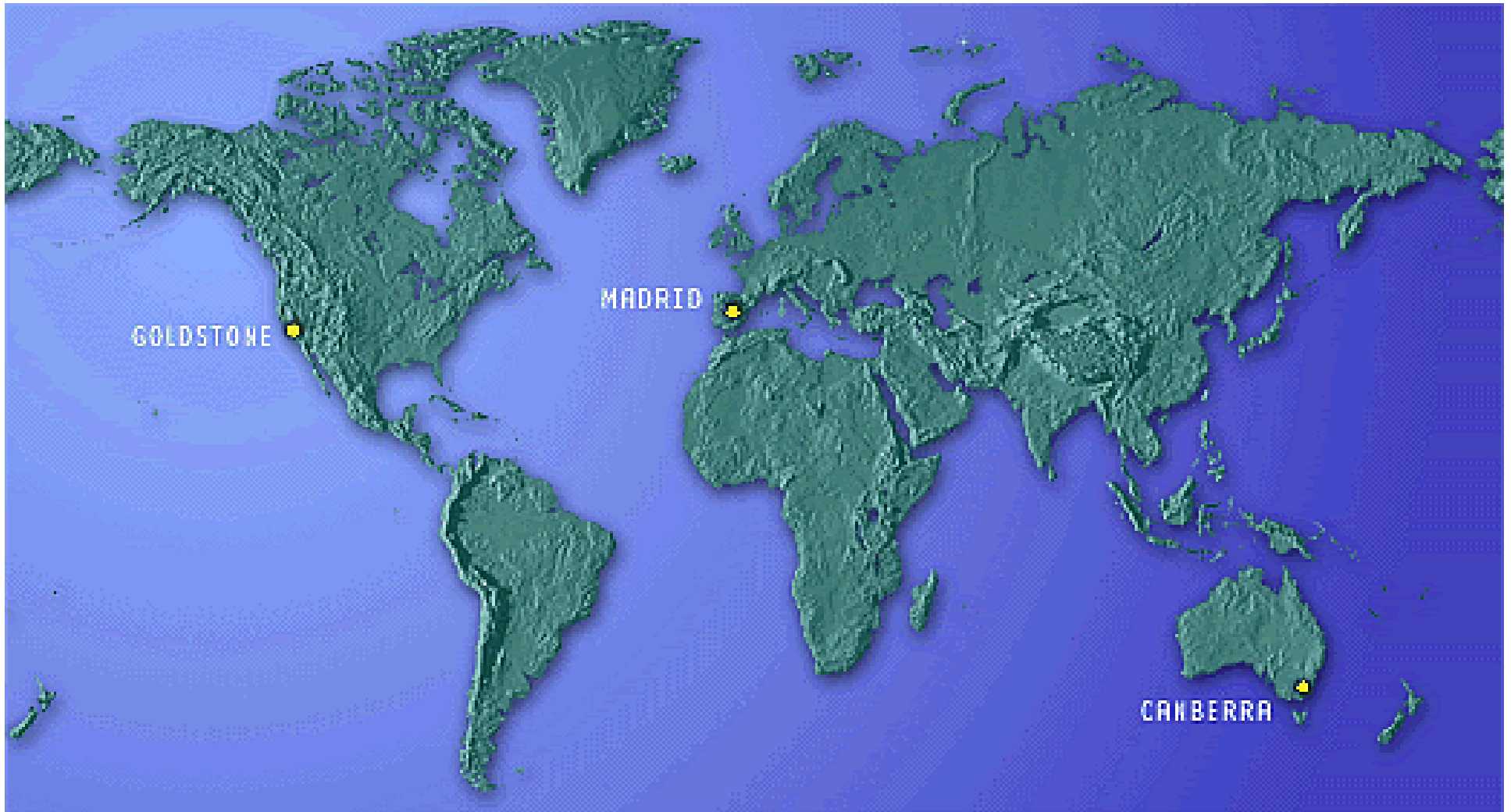


DSN Antenna Downtime Status and Forecast



<http://rapweb.jpl.nasa.gov/planning>

Antenna Downtime Status and Forecast

Changes to 2006 Downtime Schedule

- ❑ DSS-45 Downtime requested in week 50 has been scheduled for DOY 346 – 350 of 2007

Changes to 2007 Downtime Schedule

- ❑ DSS-43 Grouting and Painting task has requested an extension of an additional 7 days.
- ❑ DSS-65 ADCR task was reduced to 50 days and is now scheduled for DOY 057 – 108. NIB tasks for the 200W S-Band installation and DLM have been removed, an additional downtime later in 2007.
- ❑ DSS-65 200W S-Band installation and DLM tasks have been proposed to occur in Weeks 44 – 49 of 2007
- ❑ DSS-14 ACR Software Update task has been requested and the proposed dates are April 16 – May 6, 2007.
- ❑ DSS-46 Hydraulics task has been proposed to move to week 20 from weeks 27 and 28 and reduced from 9 to 5 days.
- ❑ DSS-63 Load Sensor install was added NIB to existing DSS-63 downtime beginning in June 2007.
- ❑ DSS-45 Antenna Controller Replacement has been proposed for week 40 – 45. This was moved from 2006 due to launch changes.
- ❑ LNA Status Preventative Maintenance periods have been requested in 2007.
- ❑ DLM tasks have been modified to extend NIB throughout the entire duration of existing downtimes.

Changes to 2008 Downtime Schedule

- ❑ DSS-34 Proposed Downtime for Ka-Band Phase 2 Implementation, 10 weeks DOY 208-278 (weeks 30 - 40) July 26 – October 04

Changes to 2009 Downtime Schedule

- ❑ DSS-24 Proposed Downtime for Ka-Band Phase 2 Implementation, 10 weeks DOY 192-262 (weeks 28 – 38) July 11 – September 19

Changes to 2010 Downtime Schedule

- ❑ DSS-54 Proposed Downtime for Ka-Band Phase 2 Implementation, 10 weeks DOY 235-270 (weeks 28 - 38) August 23 – September 27

All previous downtime proposals have been agreed to by all DSN Missions/Users through the INCF/RAR, JURAP or Mid-Range Scheduling Process

Antenna Downtime Status and Forecast

MAJOR DSN DOWNTIMES by DATE

Friday, November 17, 2006 4:17:52 PM

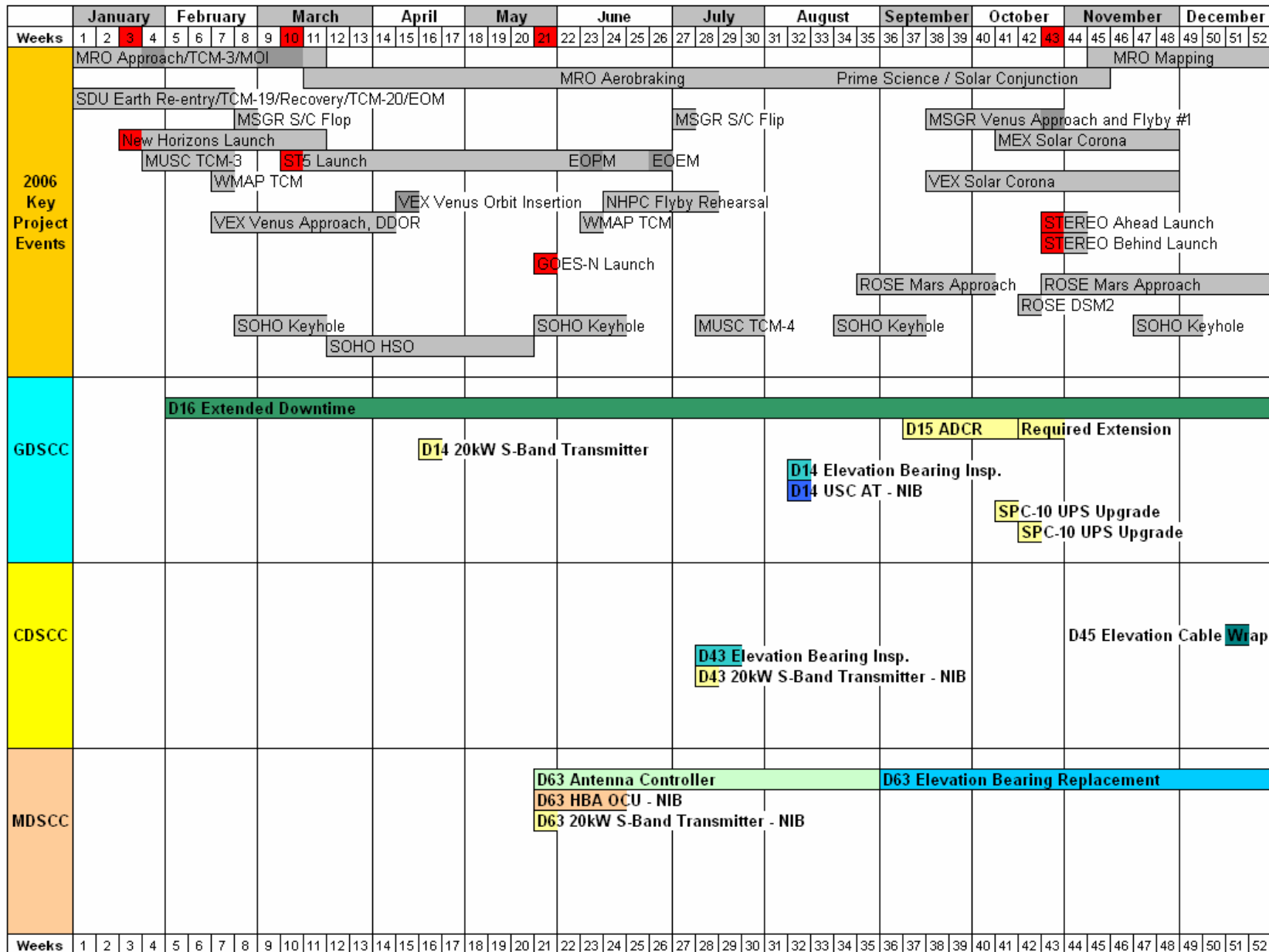
2006							
Site	Description	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 16	Extended Downtime	01/30/2006 16:00	12/31/2009 23:59	1432	05 - 53	030	365
DSS 63	Elevation Bearing Replacement	10/02/2006 00:00	12/31/2006 23:59	91	40 - 52	275	365

2007							
Site	Description	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 43	RegROUT and Painting	01/29/2007 21:00	02/11/2007 23:59	13	05 - 06	029	041
DSS 65	Antenna Drive Cabinet Refurbishment	02/26/2007 00:00	04/16/2007 23:59	50	09 - 16	057	106
DSS 66	Hydraulics Task	05/28/2007 00:00	06/01/2007 23:59	5	22 - 22	148	152
DSS 63	Hydrostatic Bearing Replacement	06/12/2007 00:00	09/16/2007 23:59	97	24 - 37	163	259
DSS 63	Depot Level Maintenance - NIB	06/12/2007 00:00	09/16/2007 23:59	97	24 - 37	163	259
DSS 63	Load Sensors Install - NIB	06/12/2007 00:00	09/16/2007 23:59	97	24 - 37	163	259
DSS 46	Hydraulics Task	07/02/2007 00:00	07/10/2007 23:59	9	27 - 28	183	191
DSS 45	Antenna Drive Cabinet Refurbishment	08/27/2007 00:00	10/01/2007 23:59	36	35 - 40	239	274
DSS 45	S-Band 200W U/L Install - NIB	08/27/2007 00:00	10/01/2007 23:59	36	35 - 40	239	274

2008							
Site	Description	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 54	X/X-Ka Band Install	02/04/2008 00:00	05/11/2008 23:59	98	06 - 19	035	132
DSS 54	AZ Track Refurbishment - NIB	02/04/2008 00:00	05/11/2008 23:59	98	06 - 19	035	132
DSS 54	AZ Data Gear Replacement - NIB	02/04/2008 00:00	05/11/2008 23:59	98	06 - 19	035	132
DSS 54	Q-Band Installation - NIB	02/04/2008 00:00	05/11/2008 23:59	98	06 - 19	035	132
DSS 54	Depot Level Maintenance - NIB	02/04/2008 00:00	05/11/2008 23:59	98	06 - 19	035	132
DSS 15	Life Extension	02/18/2008 00:00	05/11/2008 23:59	84	08 - 19	049	132
DSS 15	Depot Level Maintenance - NIB	02/18/2008 00:00	05/11/2008 23:59	84	08 - 19	049	132
DSS 43	Life Extension	09/29/2008 00:00	03/29/2009 23:59	182	40 - 13	273	088

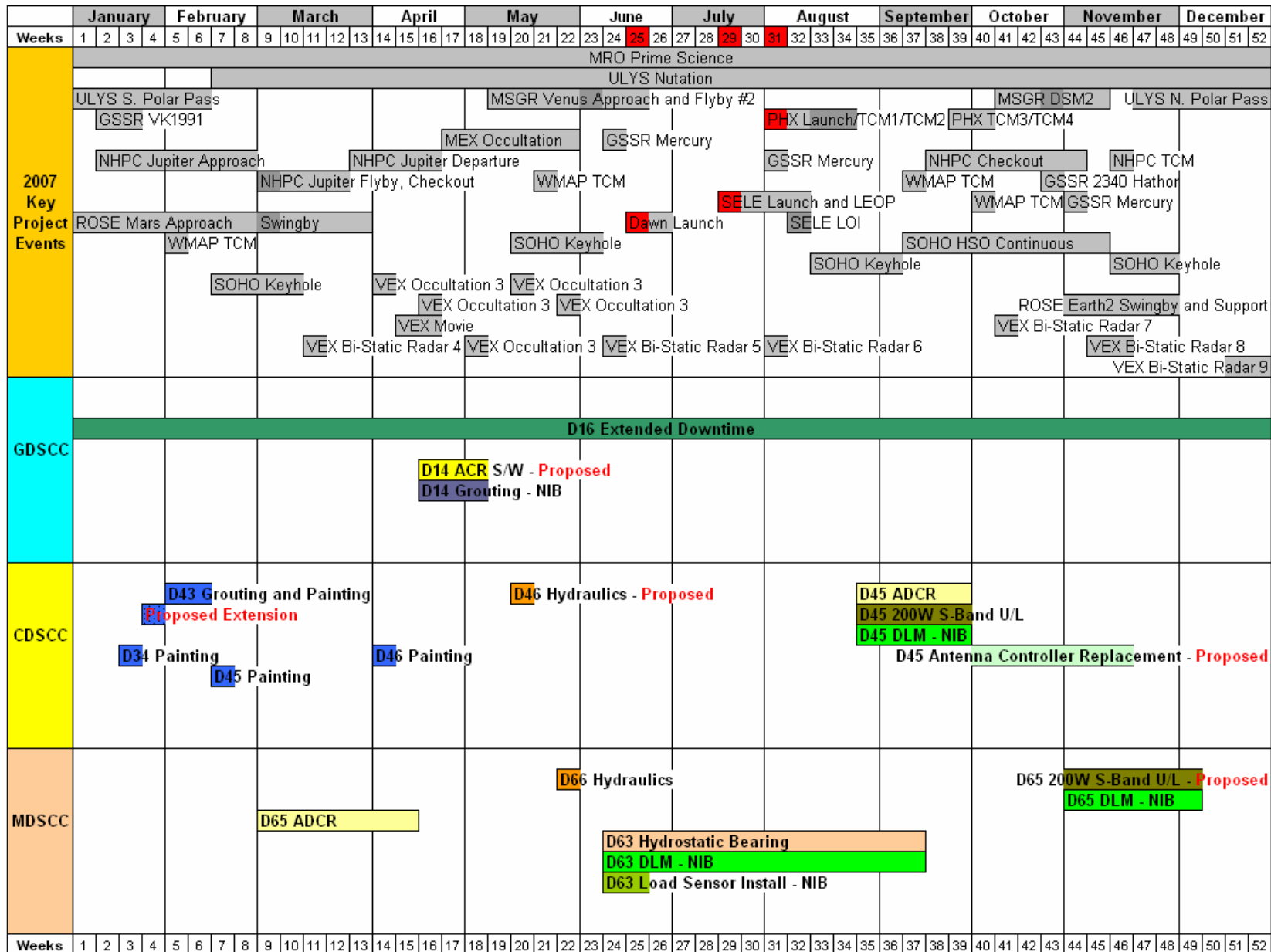
2009							
Site	Description	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 63	Life Extension	03/30/2009 00:00	09/27/2009 23:59	182	14 - 39	089	270
DSS 14	Life Extension	09/28/2009 00:00	03/28/2010 23:59	182	40 - 12	271	087

Antenna Downtime Status and Forecast 2006



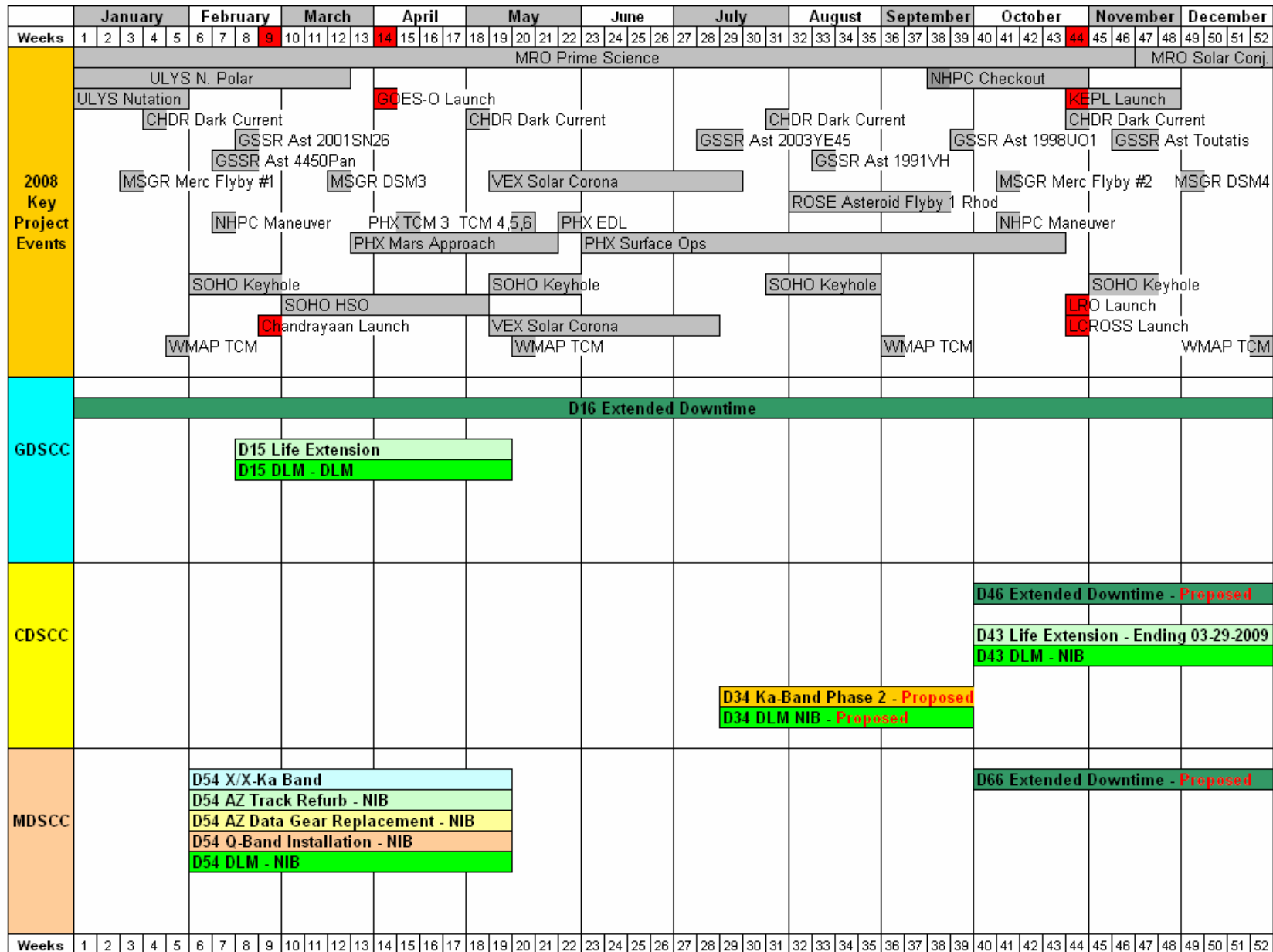
Revised: November 17, 2006

Antenna Downtime Status and Forecast 2007



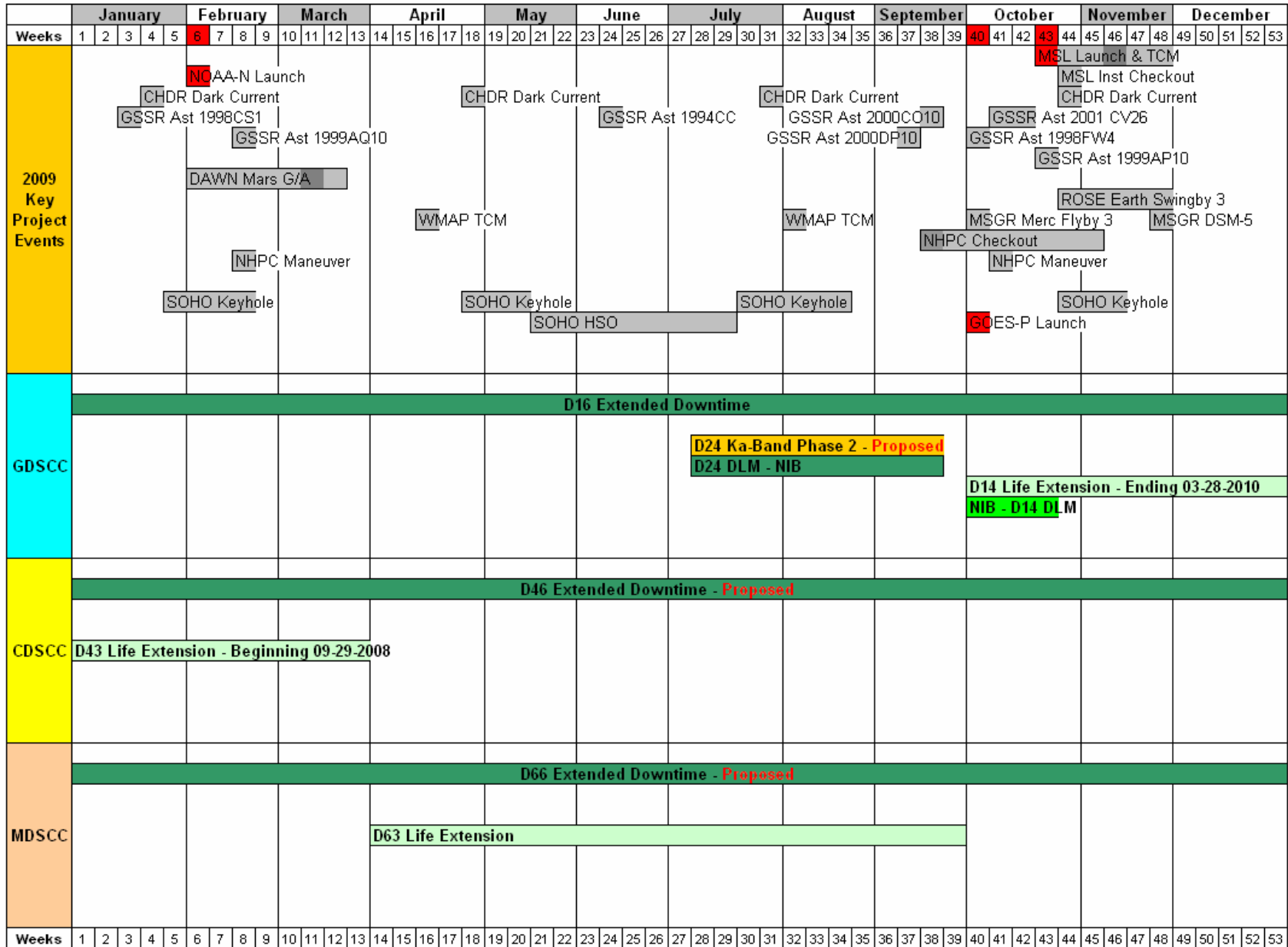
Revised: November 17, 2006

Antenna Downtime Status and Forecast 2008



Revised: November 17, 2006

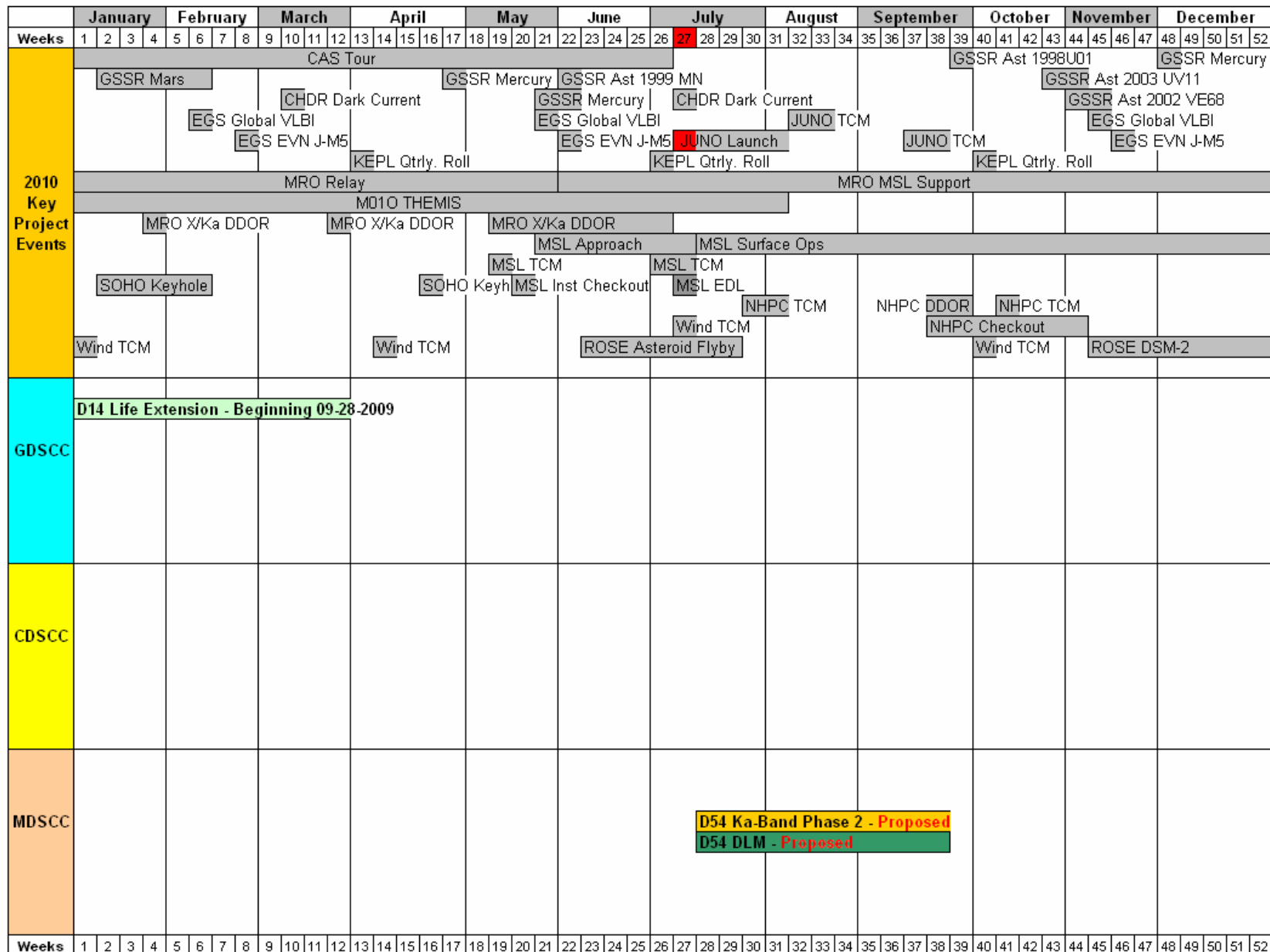
Antenna Downtime Status and Forecast 2009



Revised: November 17, 2006

Downtime Presentation November 2006 SYC--7

Antenna Downtime Status and Forecast 2010



Revised: November 17, 2006

Antenna Downtime Status and Forecast

DSN Resource Implementation Planning Matrix by Subnet

Complex	Station	Subnet	S-Band		X-Band		Ka-Band		NSP/ TT&C
			Down	Up	Down	Up	Down	Up	
10	DSS-16	26M	✓	✓	N/A	N/A	N/A	N/A	N/A
40	DSS-46	26M	✓	✓	N/A	N/A	N/A	N/A	N/A
60	DSS-66	26M	✓	✓	N/A	N/A	N/A	N/A	N/A
10	DSS-27	34HSB	✓	✓	N/A	N/A	N/A	N/A	✓ ✓ ✓
10	DSS-24	34B1	✓	✓	✓	✓	N/A	N/A	✓
40	DSS-34	34B1	✓	✓	✓	✓	✓ ✓ ✓	N/A	✓
60	DSS-54	34B1	✓	✓	✓	✓	04/15/08	N/A	✓
10	DSS-25	34B2	N/A	N/A	✓	✓	✓	N/A	✓
10	DSS-26	34B2	N/A	N/A	✓	✓	✓	N/A	✓
60	DSS-55	34B2	N/A	N/A	✓	✓	✓ ✓ ✓	N/A	✓
10	DSS-15	34HEF	✓	N/A	✓	✓	N/A	N/A	✓
40	DSS-45	34HEF	✓	11/01/07	✓	✓	N/A	N/A	✓
60	DSS-65	34HEF	✓	11/01/07	✓	✓	N/A	N/A	✓
10	DSS-14	70M	✓	✓	✓	✓	N/A	N/A	✓
40	DSS-43	70M	✓	✓	✓	✓	N/A	N/A	✓
60	DSS-63	70M	✓	✓	✓	✓	N/A	N/A	✓
N/A = Capability Not Planned xx/xx/xx = Capability Date Recently Changed As of: 10/18/06 ✓ ✓ ✓ = Capability Recently Exists ✓ = Capability Exists									